TNC – Neversink River Program – Spo

Demolition
Supervised By
Philadelphia District

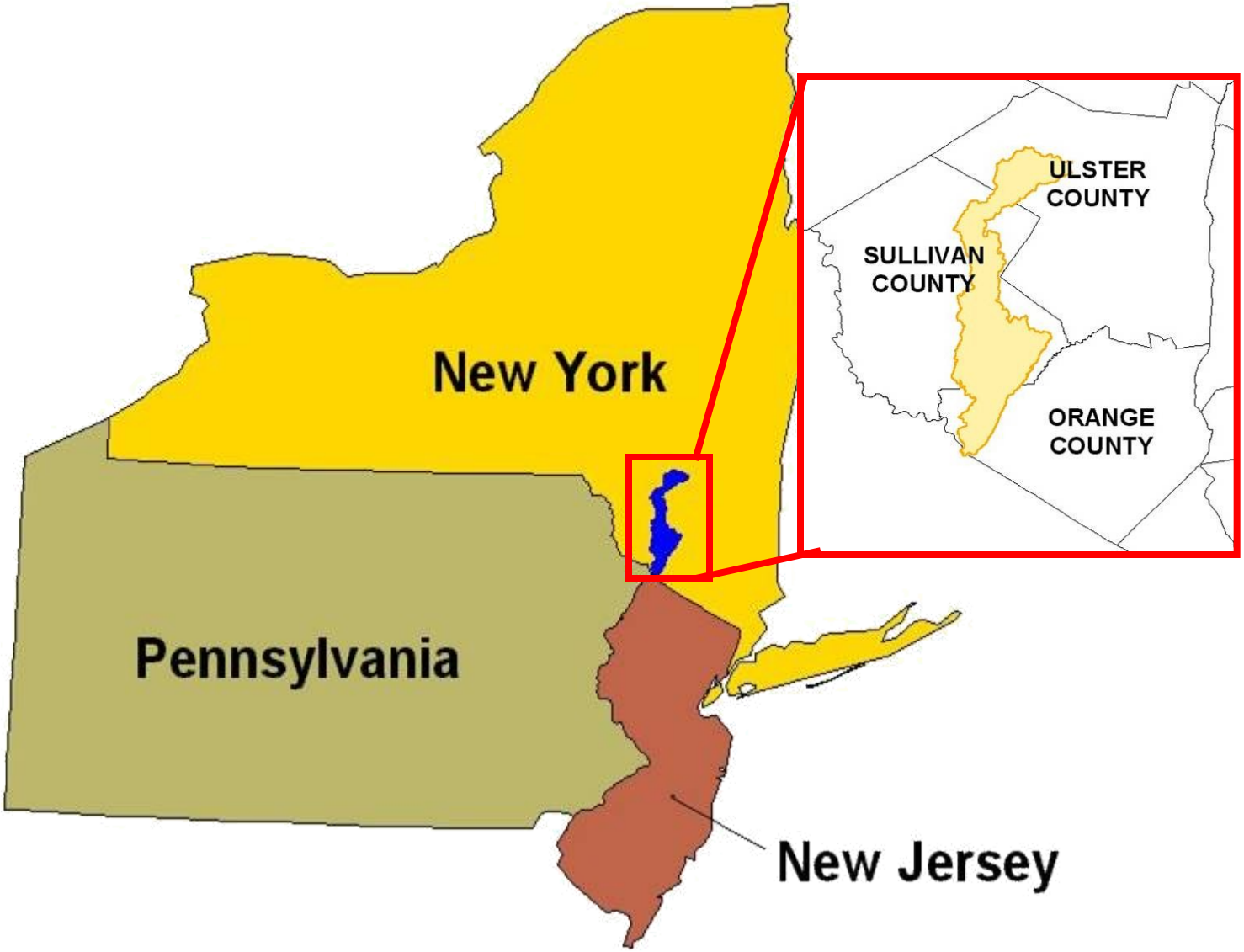
US Army Corps
of Engineers®

Sponsored By

The Nature Conservancy®

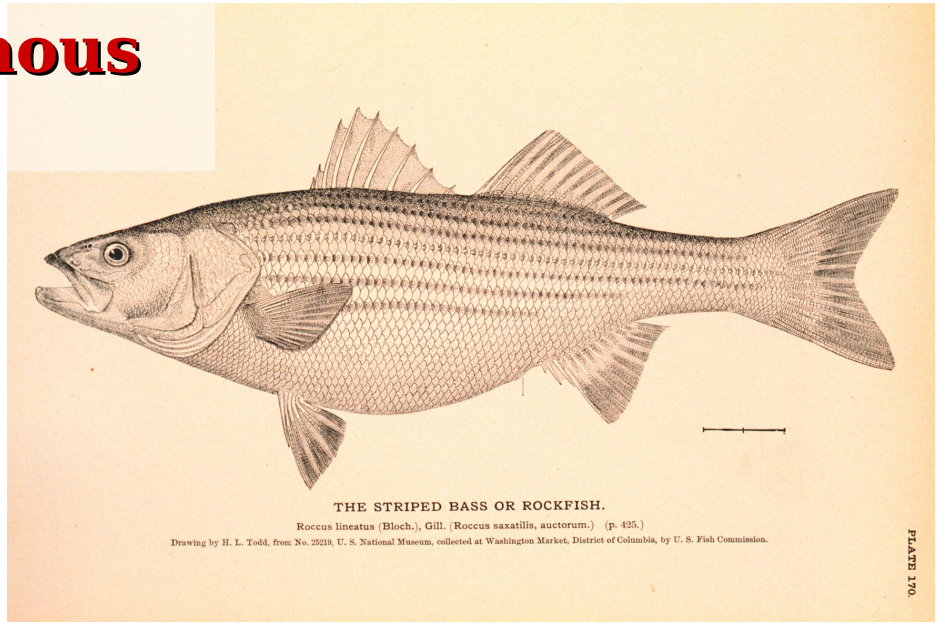
Cuddebackville Dam Removal

New York
Pennsylvania
New Jersey
Maryland
Delaware


New York
Pennsylvania
New Jersey
ULSTER COUNTY
SULLIVAN COUNTY
ORANGE COUNTY

Freshwater Mussels

Diadromous Fish



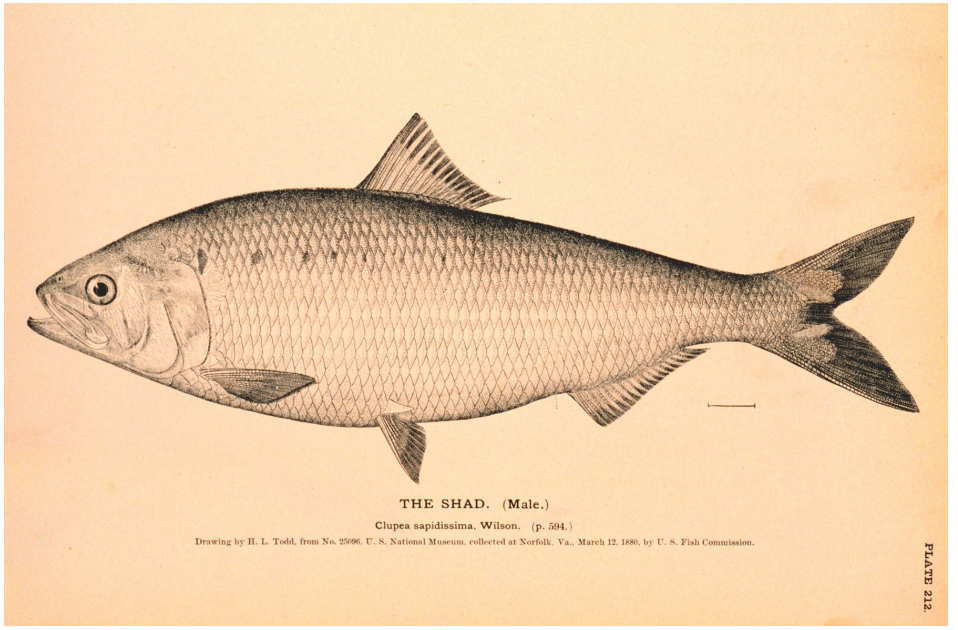
THE STRIPED BASS OR ROCKFISH.

Roccus lineatus (Bloch.), Gill. (Roccus saxatilis, auctorum.) (p. 425.)

Drawing by H. L. Todd, from No. 25219, U. S. National Museum, collected at Washington Market, District of Columbia, by U. S. Fish Commission.

PLATE 170.

American Shad

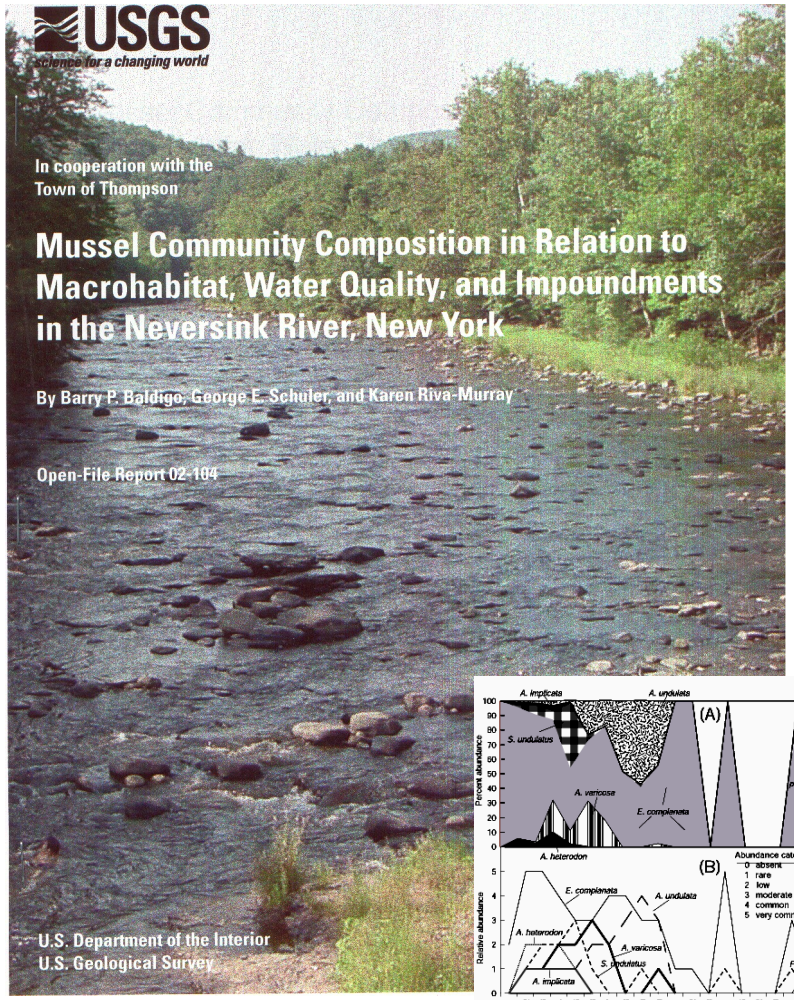


THE SHAD. (Male.)

Clupea sapidissima, Wilson. (p. 594.)

Drawing by H. L. Todd, from No. 25096, U. S. National Museum, collected at Norfolk, Va., March 12, 1880, by U. S. Fish Commission.

PLATE 212.


USGS
science for a changing world
In cooperation with the
Town of Thompson
Mussel Community Composition in Relation to Macrohabitat, Water Quality, and Impoundments in the Neversink River, New York
By Barry P. Baldigo, George E. Schuler, and Karen Riva-Murray
Open-File Report 02-104
U.S. Department of the Interior
U.S. Geological Survey

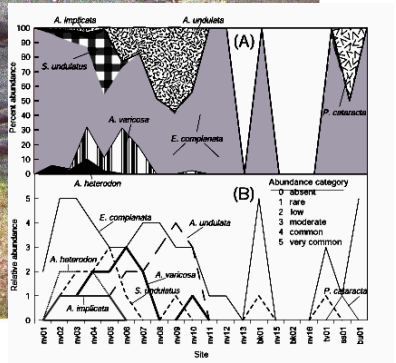
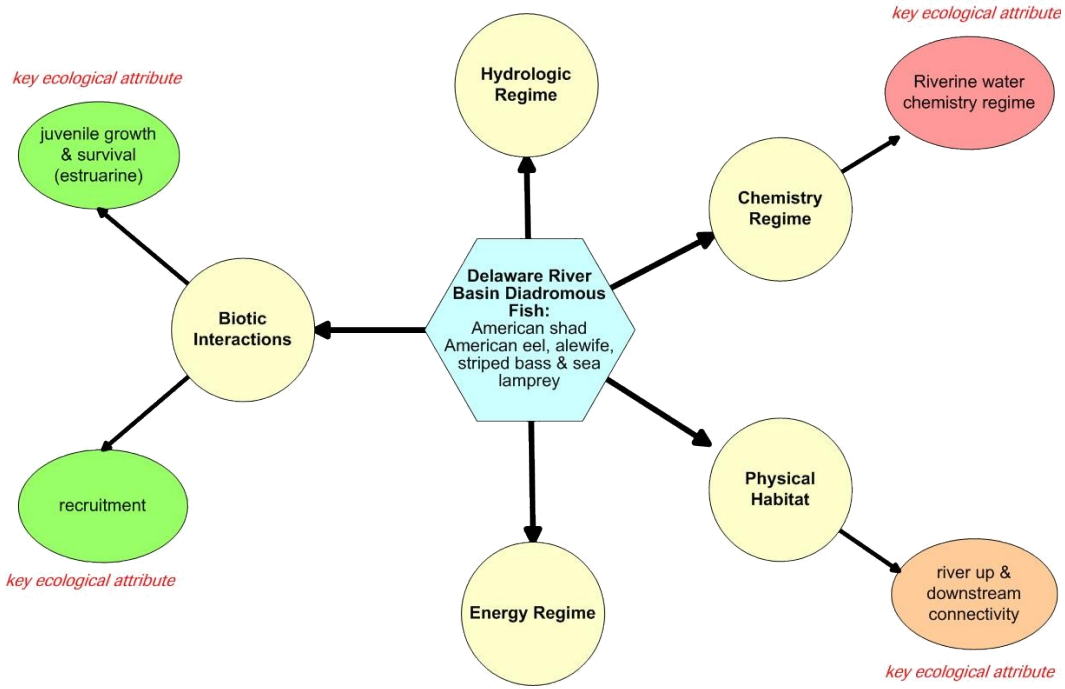
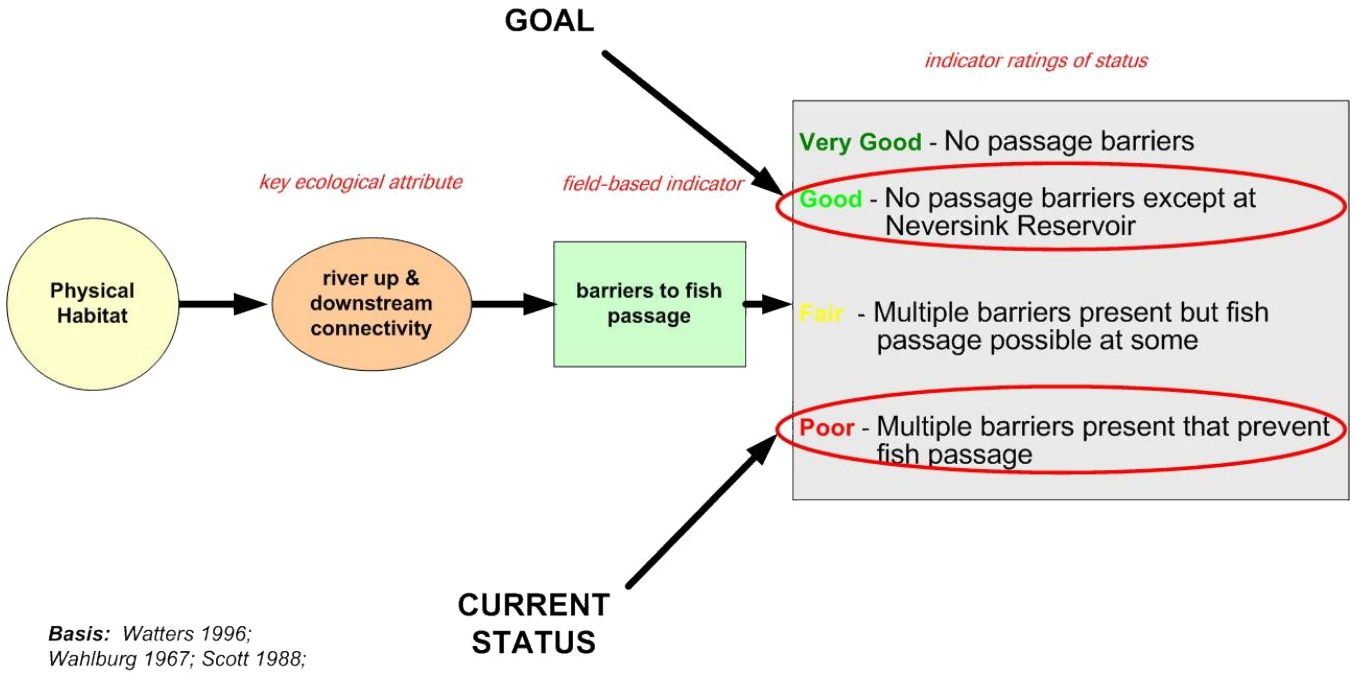


FIG. 2. Percent total (A) and relative (B) abundance of mussel species collected during surveys of 20 stream reaches in the Neversink River Basin, N.Y., June-July, 1997. (Sites are in order of drainage-area size, with largest on the left. Small tributary sites without mussels are omitted. Site locations are shown in Fig. 1.)

Ecological Integrity Assessment: *Diadromous Fish*

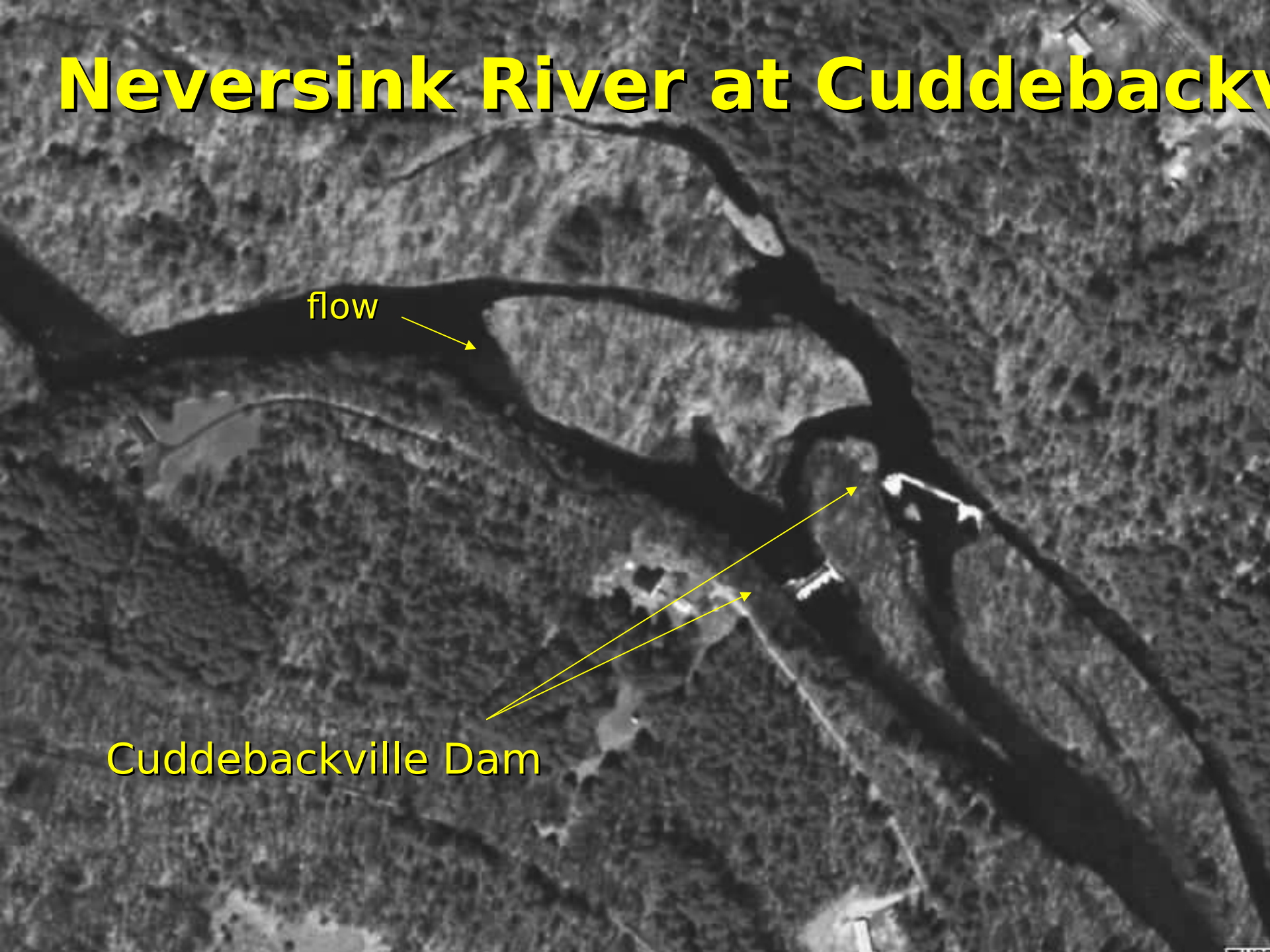
VS.




GOAL
indicator ratings of status
Very Good - No passage barriers
key ecological attribute
field-based indicator
Good - No passage barriers except at Neversink Reservoir
Physical Habitat
river up & downstream connectivity
barriers to fish passage
Fair - Multiple barriers present but fish passage possible at some
Poor - Multiple barriers present that prevent fish passage
CURRENT STATUS

Basis: *Watters 1996; Wahlburg 1967; Scott 1988;*

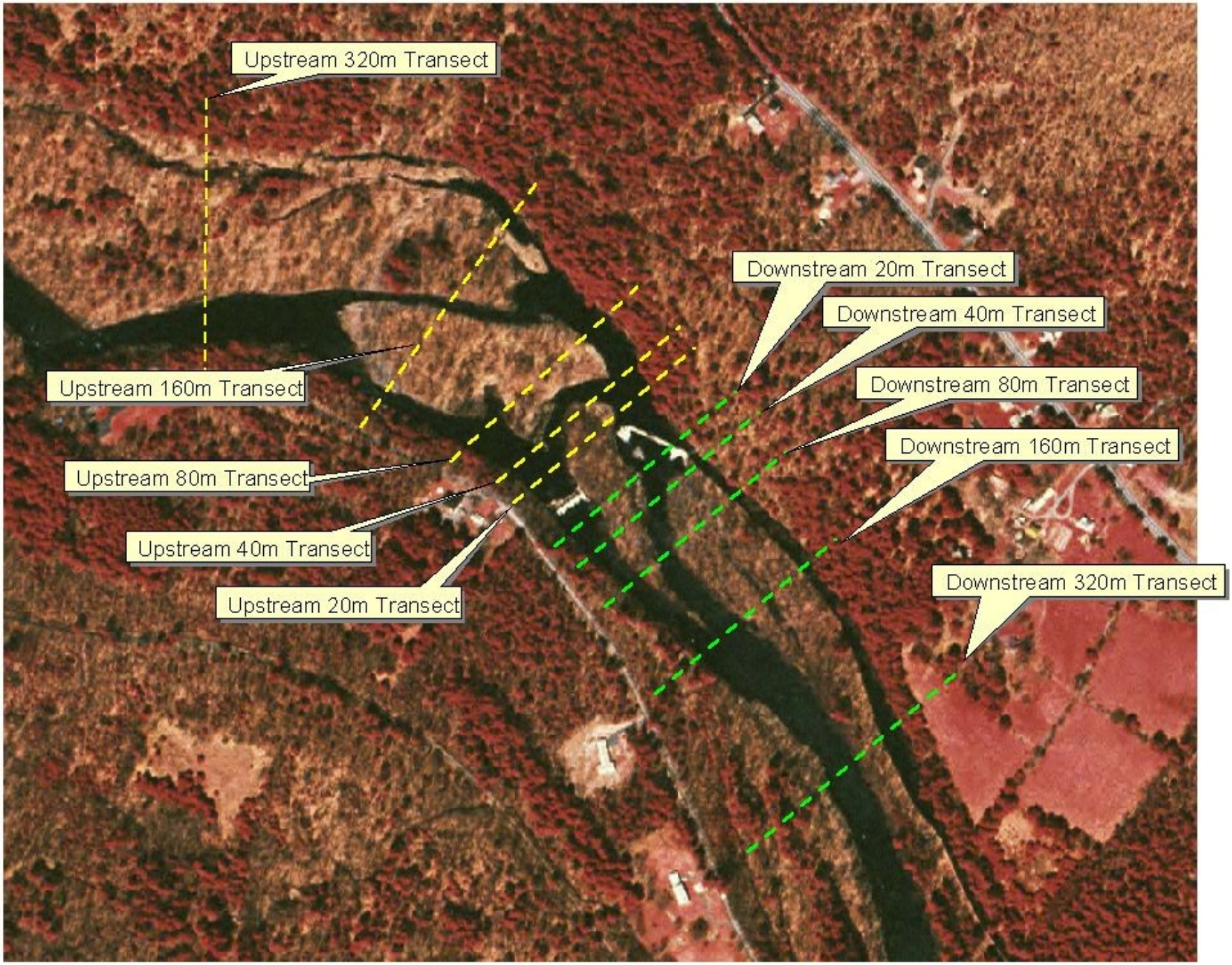
Source: *TNC site expertise*

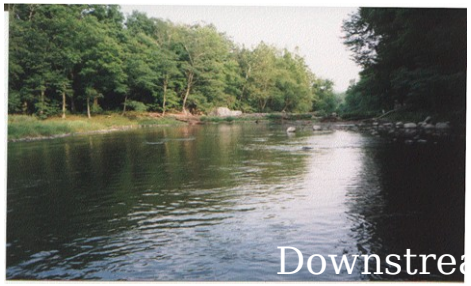

Neversink River at Cuddeback
flow
Cuddebackville Dam

Cuddebackville Dam (Southwest Sid

Northeast Gravity Dam Section

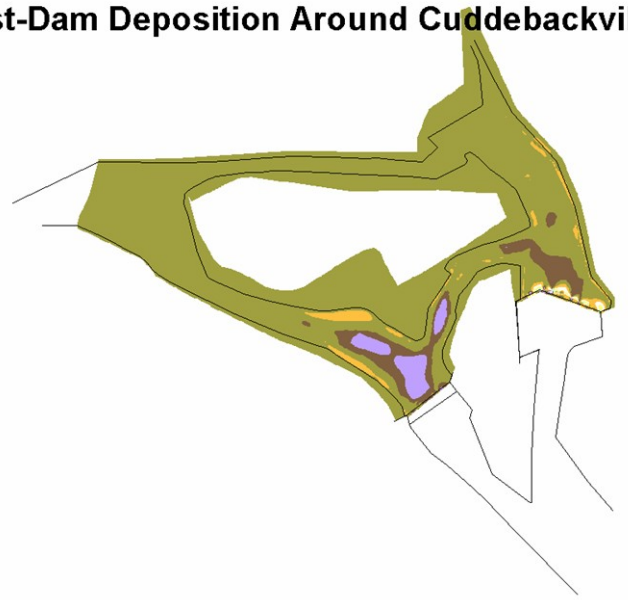
D&H CANAL
Segment


Upstream 320m Transect
Upstream 160m Transect
Upstream 80m Transect
Upstream 40m Transect
Upstream 20m Transect
Downstream 20m Transect
Downstream 40m Transect
Downstream 80m Transect
Downstream 160m Transect
Downstream 320m Transect



80 meter Upstream Transect

Post-Dam Deposition Around Cuddebackville Dam



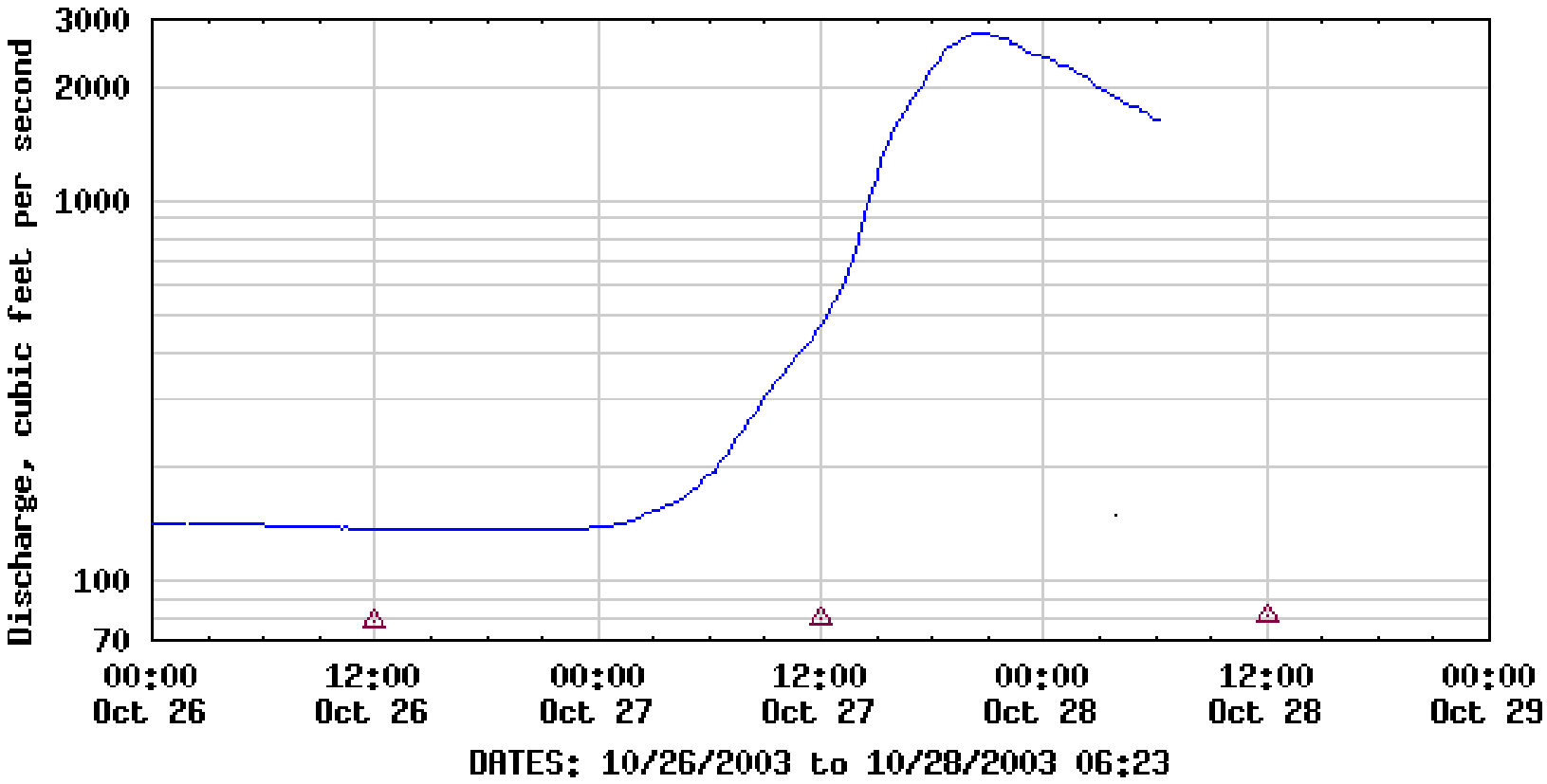
Access Road &
Fencing

Temporary Bridge Crossing

Water-filled
Cofferdams

USGS

USGS 01436690 NEVERSINK RIVER AT BRIDGEVILLE NY



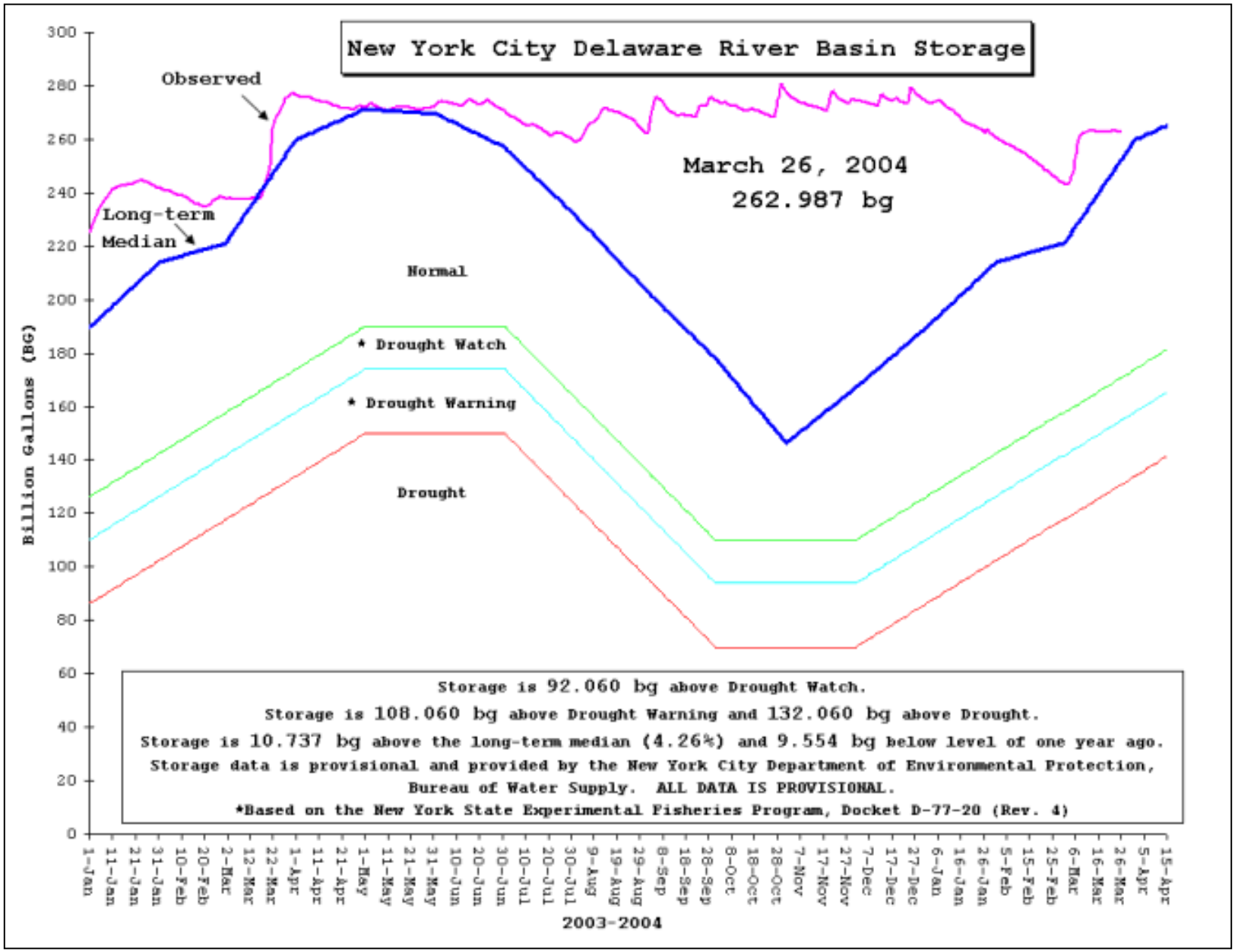
EXPLANATION

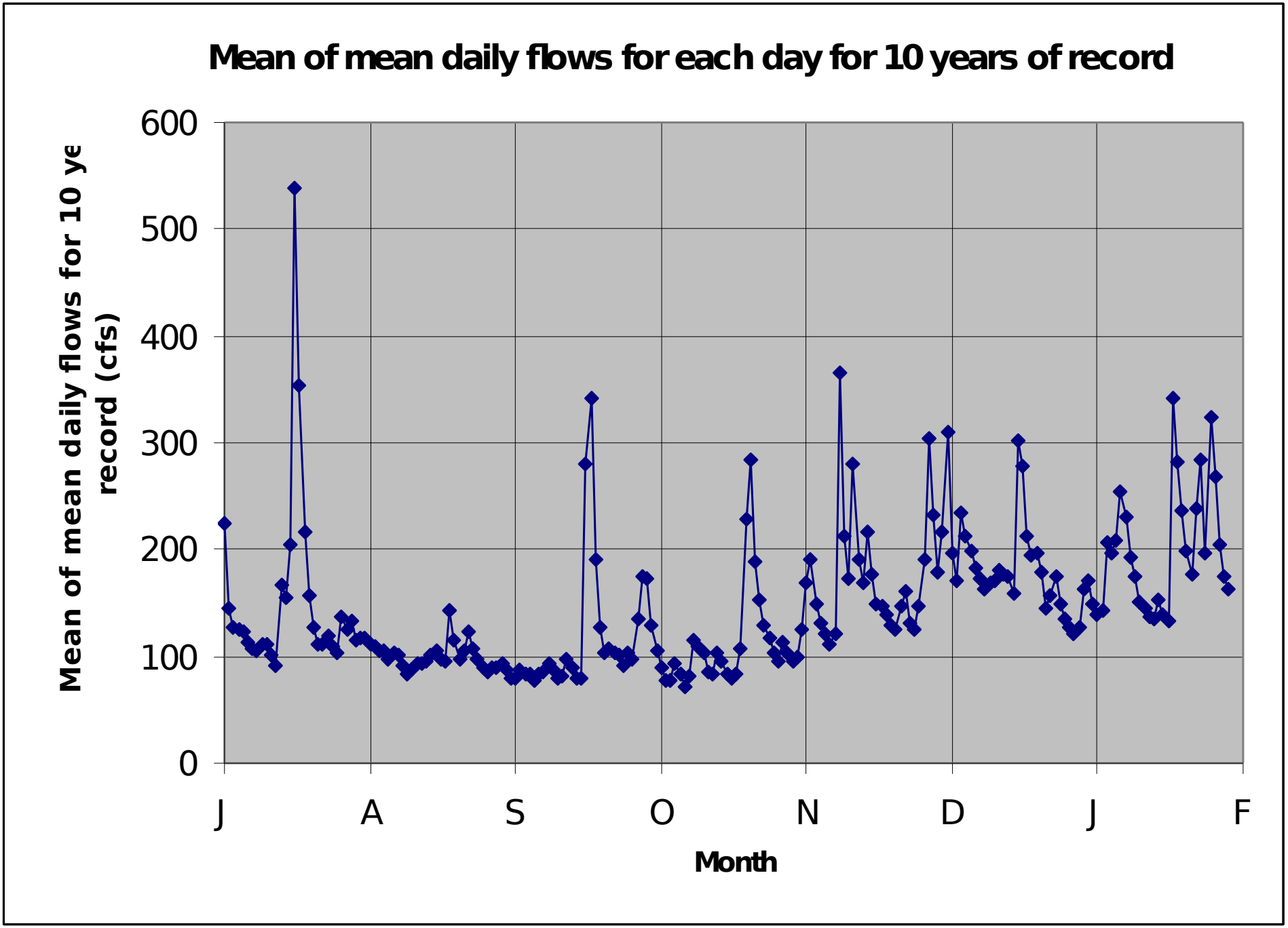
DISCHARGE

MEDIAN DAILY STREAMFLOW BASED ON 10 YEARS OF RECORD

Provisional Data Subject to Revision

High
Flows


New York City Delaware River Basin Storage
Observed
Long-term
Median
Normal
* Drought Watch
* Drought Warning
Drought
March 26, 2004
262.987 bg
Billion Gallons (BG)
300
280
260
240
220
200
180
160
140
120
100
80
60
40
20
0
1-Jan
11-Jan
21-Jan
31-Jan
10-Feb
20-Feb
2-Mar
12-Mar
22-Mar
1-Apr
11-Apr
21-Apr
1-May
11-May
21-May
31-May
10-Jun
20-Jun
30-Jun
10-Jul
20-Jul
30-Jul
9-Aug
19-Aug
29-Aug
8-Sep
18-Sep
28-Sep
8-Oct
18-Oct
28-Oct
7-Nov
17-Nov
27-Nov
7-Dec
17-Dec
27-Dec
6-Jan
16-Jan
26-Jan
5-Feb
15-Feb
25-Feb
6-Mar
16-Mar
26-Mar
5-Apr
15-Apr
2003-2004
Storage is 92.060 bg above Drought Watch.
Storage is 108.060 bg above Drought Warning and 132.060 bg above Drought.
Storage is 10.737 bg above the long-term median (4.26%) and 9.554 bg below level of one year ago.
Storage data is provisional and provided by the New York City Department of Environmental Protection, Bureau of Water Supply. ALL DATA IS PROVISIONAL.
*Based on the New York State Experimental Fisheries Program, Docket D-77-20 (Rev. 4)


Mean of mean daily flows for each day for 10 years of record
Mean of mean daily flows for 10 ye record (cfs)
600
500
400
300
200
100
0
J
A
S
O
N
D
J
F
Month

SAVING THE LAST GREAT PLACES ON EARTH